

**Before the  
FEDERAL COMMUNICATIONS COMMISSION  
Washington, D.C. 20554**

In the Matter of	)	
	)	
SES AMERICOM, INC.	)	File No. SAT-MOD-_____
	)	Call Sign S2162
Fleet Management Notice to Modify AMC-3	)	
Fixed-Satellite Space Station License	)	

**FLEET MANAGEMENT NOTICE OF SES AMERICOM, INC.**

SES Americom, Inc. (“SES”) respectfully submits this notification pursuant to the Commission’s fleet management procedures to modify the AMC-3 fixed-satellite space station license to relocate the satellite from 67° W.L. to 72° W.L. A completed FCC Form 312 is attached. In addition, SES is providing below a certification in support of this notification as required by Section 25.118(e) of the Commission’s rules, 47 C.F.R. § 25.118(e).

**BACKGROUND**

SES currently operates the AMC-3 satellite in the conventional C- and Ku-bands at 67° W.L.<sup>1</sup> On October 14, 2016, SES filed a fleet management notice informing the Commission of its intent to relocate its AMC-6 satellite from 72° W.L. to 67° W.L. and to operate it within the technical parameters currently licensed and coordinated for AMC-3 and AMC-4.<sup>2</sup> In that notice, SES explained that the next step would be for AMC-3 to be relocated to 72° W.L., once its customer traffic was safely transferred to AMC-6.

<sup>1</sup> SES Americom, Inc. (Call Sign S2162), File No. SAT-MOD-20120629-00109, granted Oct. 18, 2012. In C-band, SES only operates telemetry, tracking and control functions at 67° W.L.

<sup>2</sup> See SES Americom, Inc., Fleet Management Notice (Call Sign S2347), File No. SAT-MOD-20161014-00098, filed Oct. 14, 2016 (“October 14 Notice”). See also, SES Americom, Inc. Modification of AMC-4 License at 67° W.L. (Call Sign S2135), File No. SAT-MOD-20140606-00059, granted Sept. 23, 2014.

SES now seeks to execute the second step in its fleet management plan as described in the October 14 Notice and relocate AMC-3 to 72° W.L. where it will operate within the technical parameters licensed and coordinated for AMC-6.<sup>3</sup> Coverage contours for AMC-3 at the new orbital location are provided in Attachment 1. Swapping the AMC-6 and AMC-3 satellites will allow SES to better respond to customer requirements at both 67° W.L. and 72° W.L. and to manage its fleet more efficiently.

### **CERTIFICATION OF COMPLIANCE WITH SECTION 25.118(e)**

SES hereby certifies that this fleet management notice complies with the requirements of Section 25.118(e), as indicated below:

- (1) AMC-3 will be relocated to 72.0° W.L., an orbital location assigned to SES Americom, Inc.
- (2) After relocation, AMC-3 will be operated within the technical parameters authorized and coordinated for the AMC-6 spacecraft at 72° W.L.
- (3) SES certifies that it will operate AMC-3 at 72° W.L. in compliance with all of the conditions currently imposed on the operation of AMC-6 at the same orbital location.
- (4) SES certifies that it will limit operations of AMC-3 to tracking, telemetry, and command functions during the relocation and satellite drift transition period.
- (5) SES Americom certifies that
  - (i) It has assessed and limited the probability of AMC-3 becoming a source of debris as a result of collisions with large debris or other operational satellites at 72° W.L.<sup>4</sup> and
  - (ii) The proposed station-keeping volume of AMC-3 following relocation will not overlap a station-keeping volume reasonably expected to be occupied by any other satellite, including those authorized by the Commission, applied for and pending before the Commission, or otherwise the subject of an ITU filing and either in orbit or progressing towards launch.

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<sup>3</sup> SES notes that AMC-3 does not have an extended Ku-band payload, and therefore will not operate under the portion of the AMC-6 license that authorizes extended Ku-band services.

<sup>4</sup> SES Americom, Inc., File No. SAT-MOD-20111220-00243, Technical Appendix at 17-20, filed Dec. 20, 2011 (describing orbital debris mitigation plan for AMC-3).

(6) SES certifies that the relocation of AMC-3 will not result in a lapse of service for any current customer.

(7) Not applicable.

(8) Not applicable.

\* \* \*

Pursuant to the Commission's fleet management policies and as described herein, SES notifies the Commission that it intends to relocate AMC-3 from 67° W.L. to 72° W.L. commencing no earlier than 30 days following submission of this notification.

Respectfully submitted,

SES Americom, Inc.

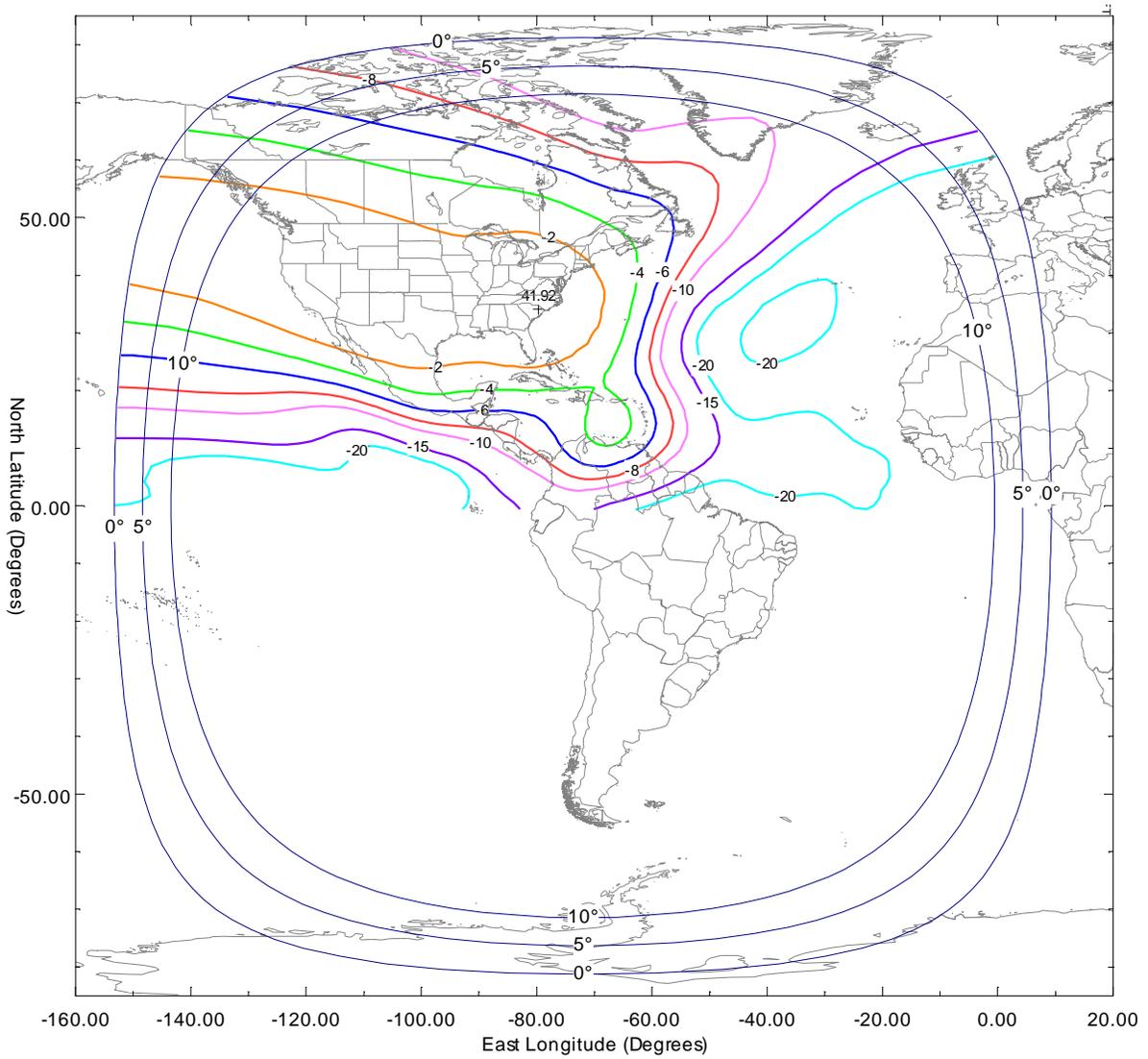
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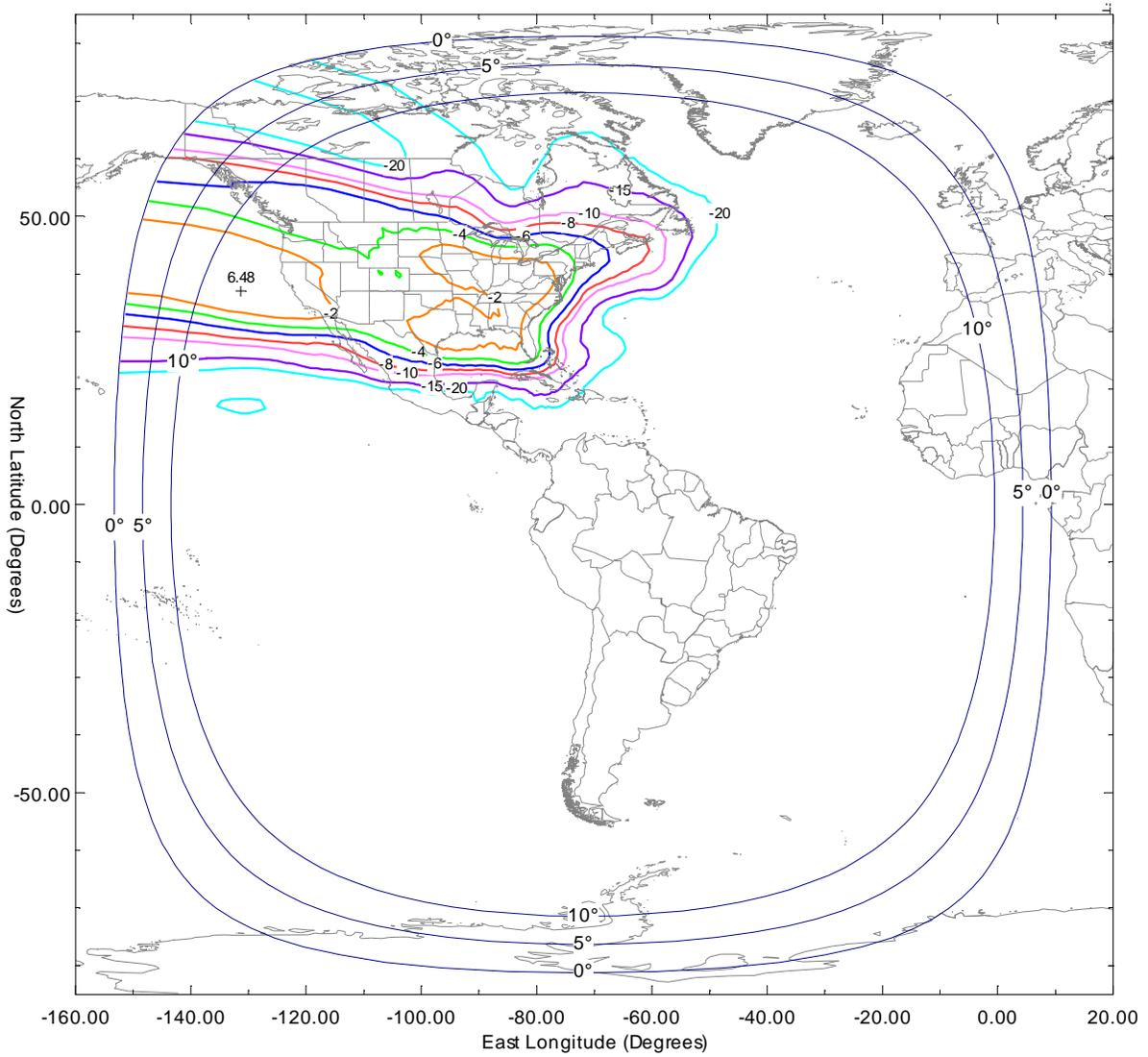
October 25, 2016

## ATTACHMENT 1

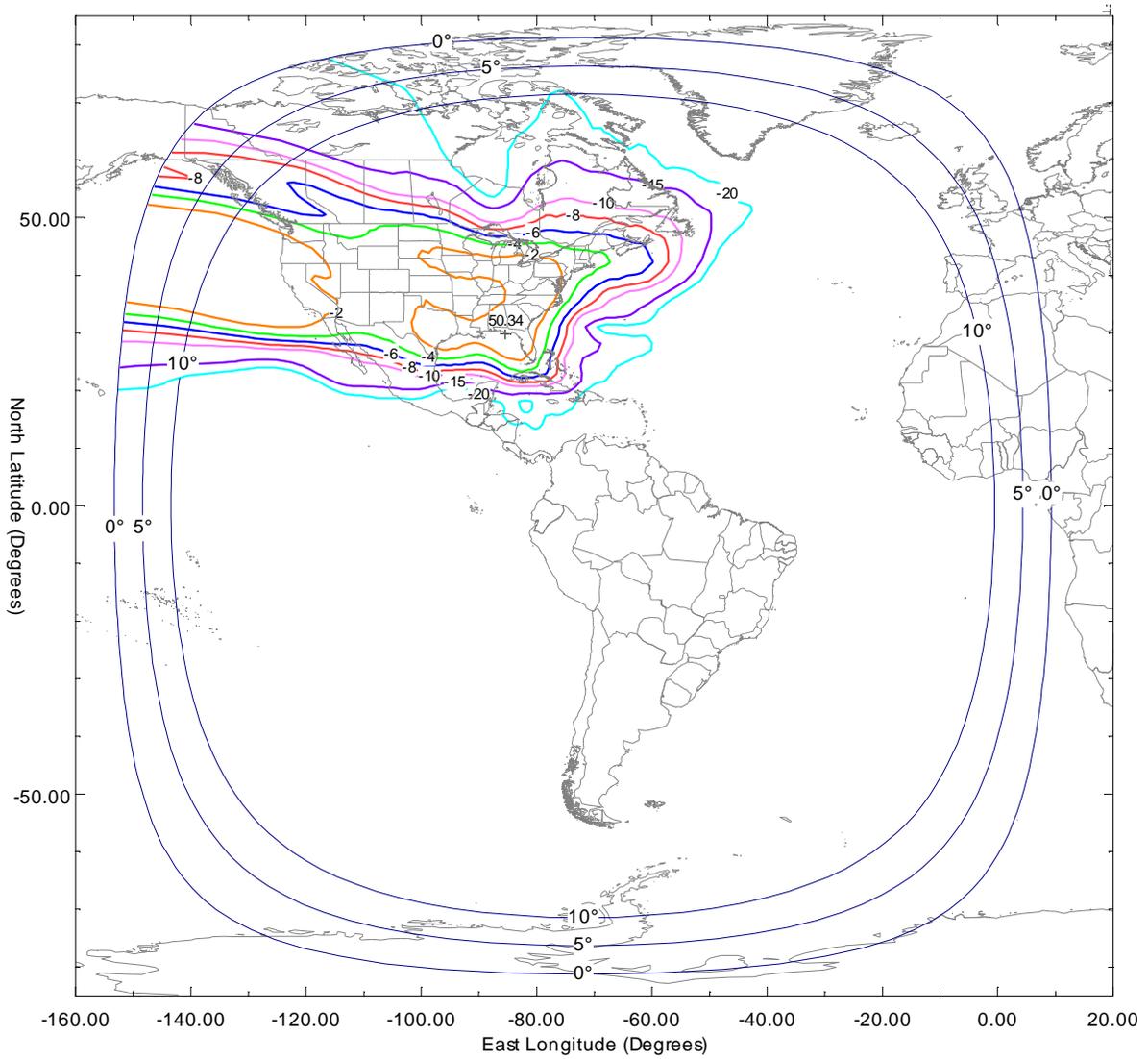
AMC-3 at 72° W.L.  
Ku-Band Transponder 12  
Center Frequency 11940 MHz  
EIRP Contour (dB from peak)  
H-Polarization Downlink



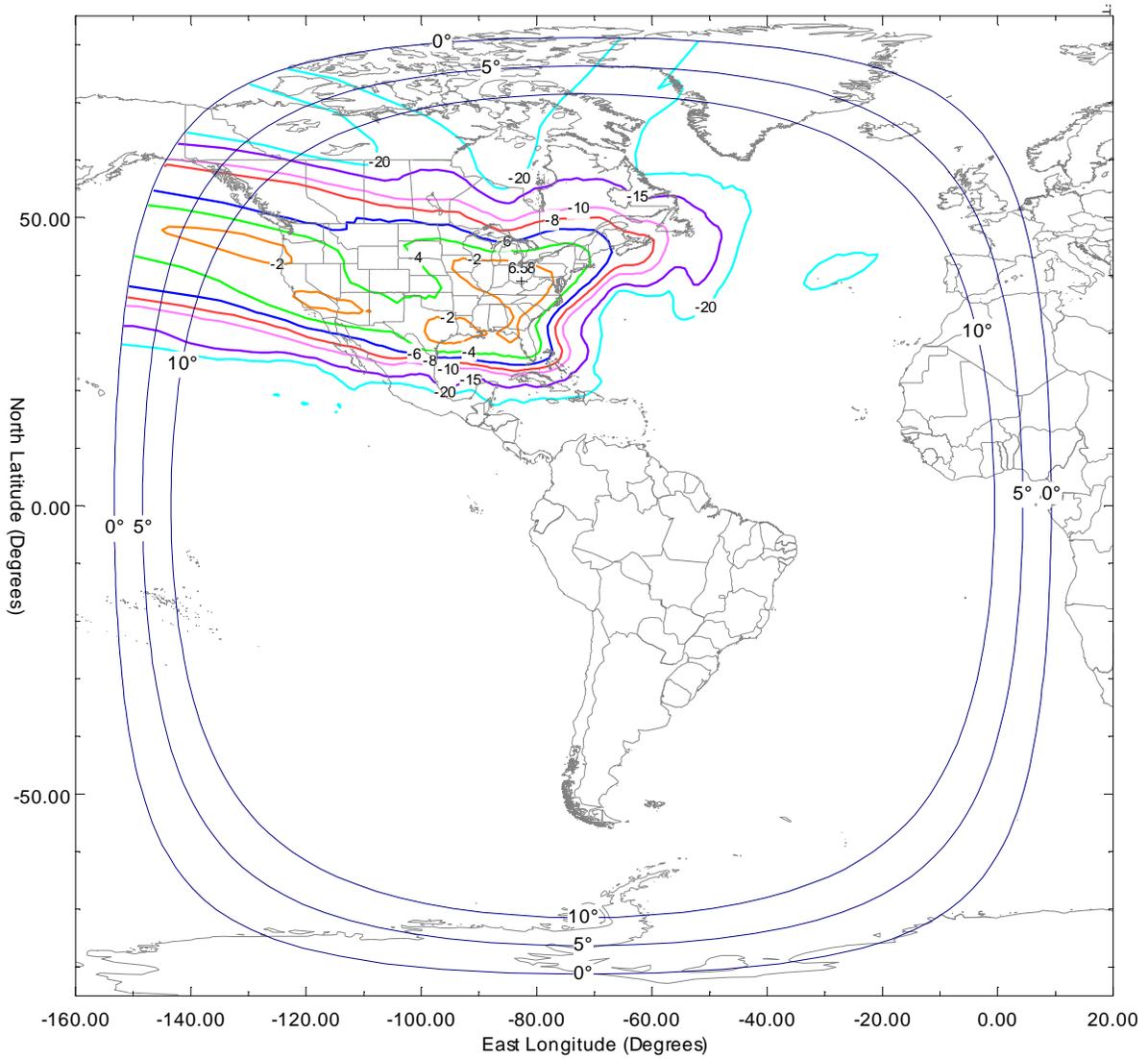
AMC-3 at 72° W.L.  
Ku-Band Transponder 12  
Center Frequency 14240 MHz  
G/T Contour (dB from peak)  
V-Polarization Uplink



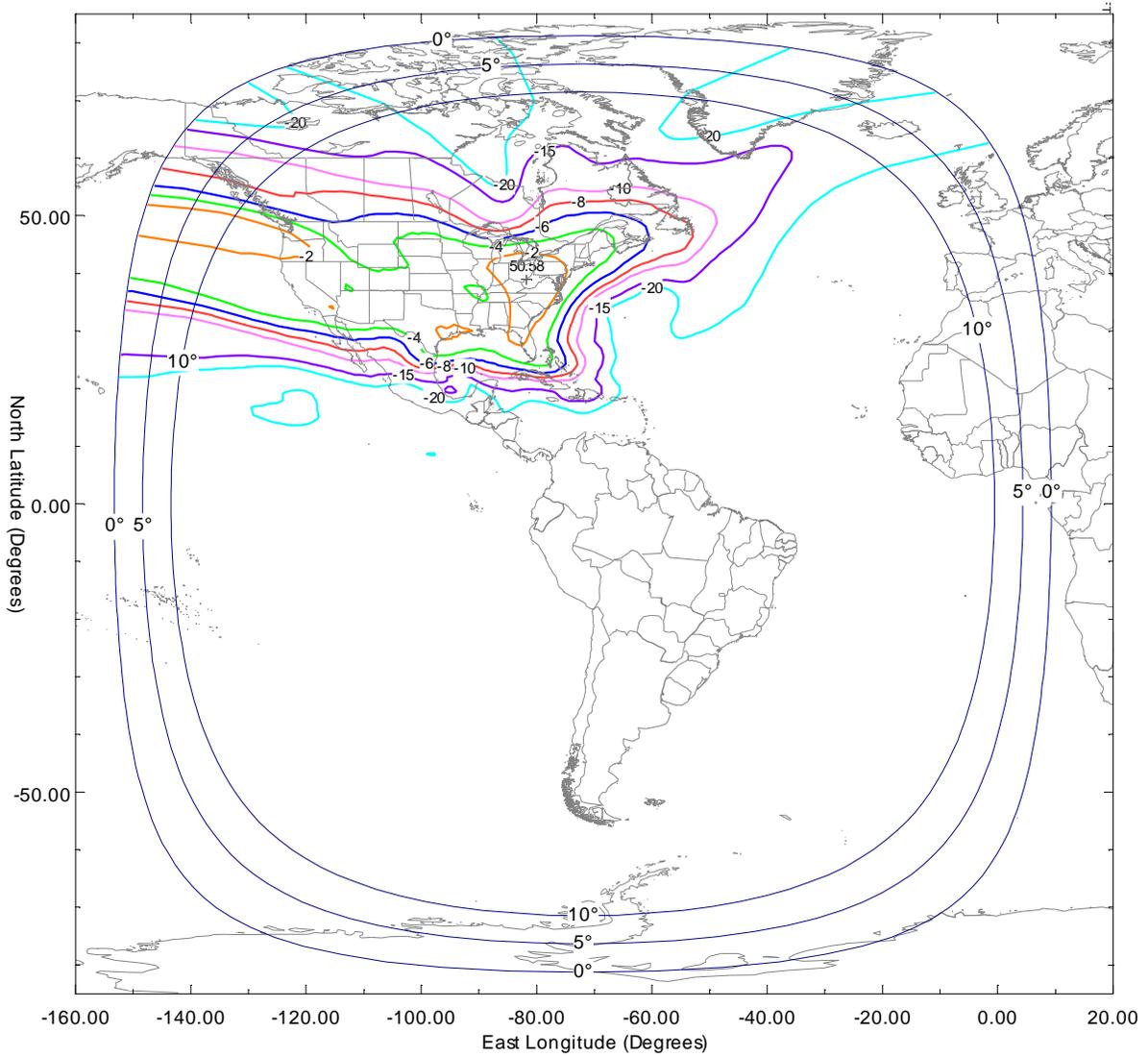
AMC-3 at 72° W.L.  
Ku-Band Transponder 13  
Center Frequency 11960 MHz  
EIRP Contour (dB from peak)  
V-Polarization Downlink



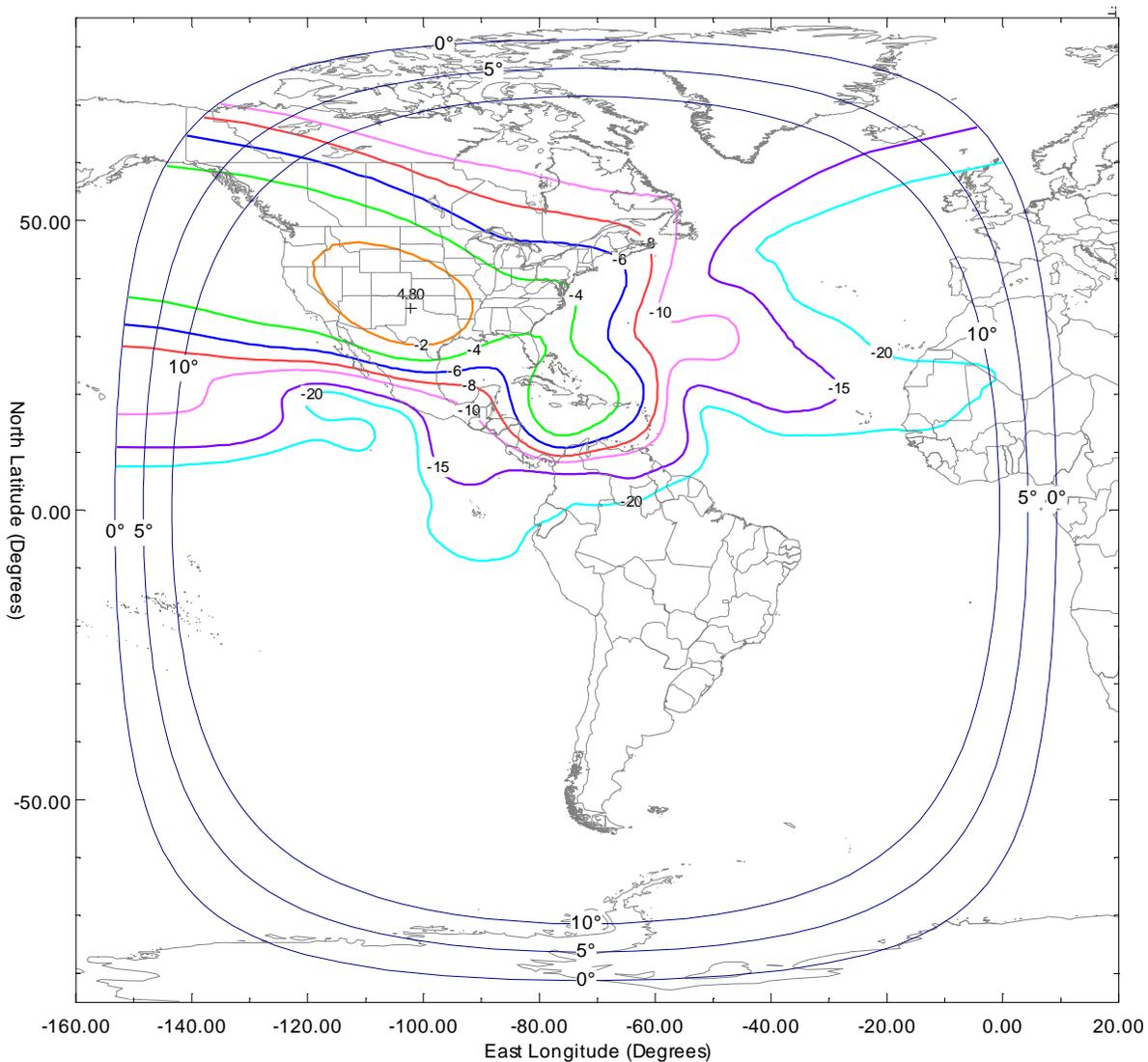
AMC-3 at 72° W.L.  
Ku-Band Transponder 13  
Center Frequency 14260 MHz  
G/T Contour (dB from peak)  
H-Polarization Uplink



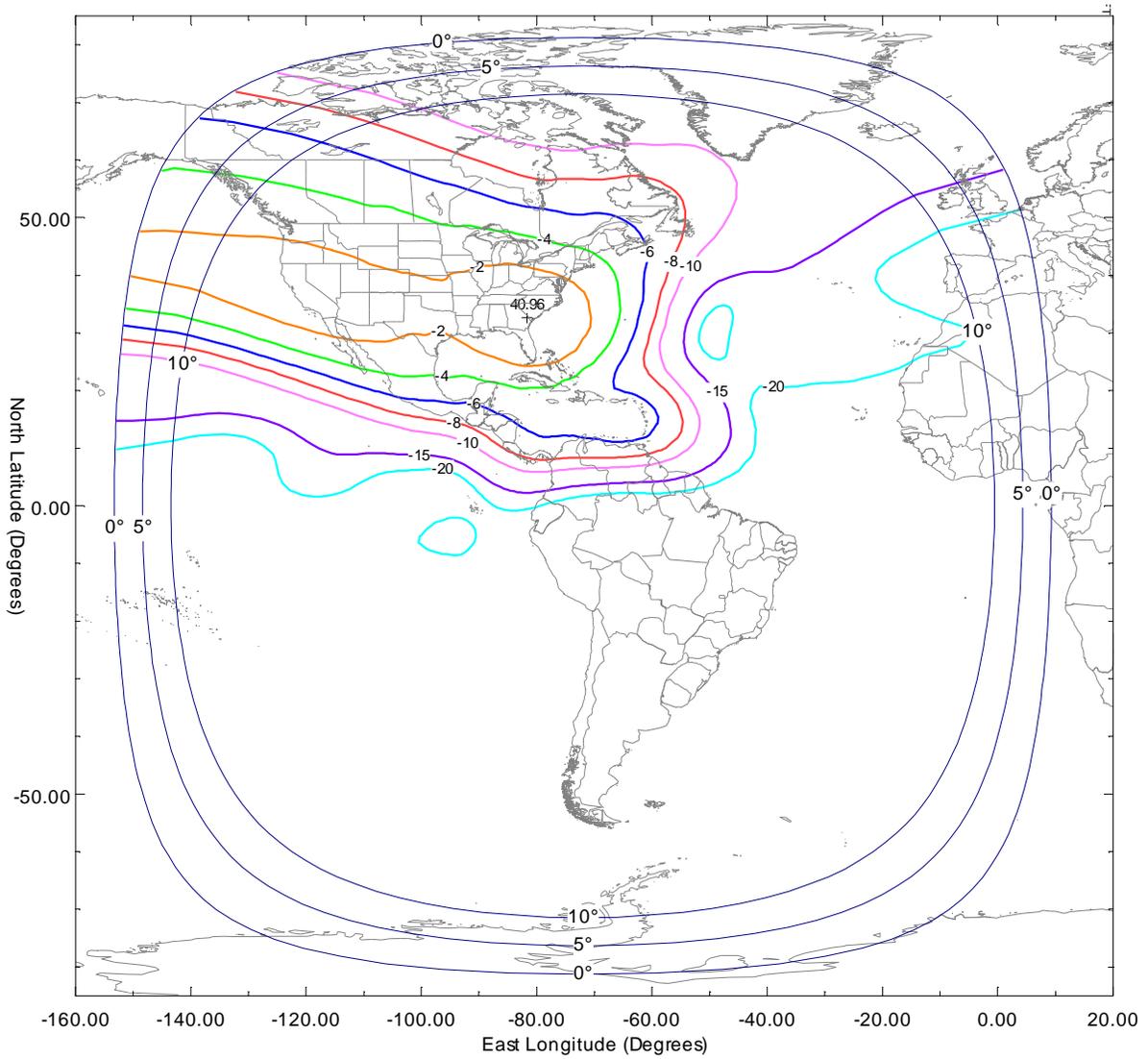
AMC-3 at 72° W.L.  
C-Band Transponder 12  
Center Frequency 3940 MHz  
EIRP Contour (dB from peak)  
H-Polarization Downlink



AMC-3 at 72° W.L.  
C-Band Transponder 12  
Center Frequency 6165 MHz  
G/T Contour (dB from peak)  
V-Polarization Uplink



AMC-3 at 72° W.L.  
C-Band Transponder 13  
Center Frequency 3960 MHz  
EIRP Contour (dB from peak)  
V-Polarization Downlink



AMC-3 at 72° W.L.  
C-Band Transponder 13  
Center Frequency 6185 MHz  
G/T Contour (dB from peak)  
H-Polarization Uplink

